

## SEQUENCE LISTING

<110> FROHBERG, Claus

<120> NUCLEIC ACID MOLECULES ENCODING AN ALPHA-GLUCOSIDASE, PLANTS WHICH SYNTHESIZE A MODIFIED STARCH, THE GENERATION OF THE PLANTS, THEIR USE, AND THE MODIFIED STARCH

<130> 514413-3865

<150> PCT/EP99/05536

<151> 1999-07-31

<150> DE 198 36 097.5

<151> 1998-07-31

<160> 2

<170> PatentIn version 3.0

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<220>

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<222> (135)..(2180)

<223> coding sequence of alpha-glucosidase .

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- Ile Val Tyr Thr Gly Asp Arg Ile Ser Tyr Lys Val Ile Gly Gly Leu
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- Ile Asp Leu Tyr Phe Phe Ala Gly Pro Ser Pro Glu Met Val Val Asp
  70 75 80
- Gln Tyr Thr Gln Leu Ile Gly Arg Pro Ala Ala Met Pro Tyr Trp Ser 85 90 95
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Gly Asp His Leu Pro Ile Asn Tyr Arg Thr Val Pro Ala Thr Ser Thr 

His Phe Gly Asp Thr Met Glu Tyr Asn Val His Asn Leu Tyr Gly Leu 

Leu Glu Ser Arg Ala Thr Tyr Ser Ala Leu Val Asn Val Thr Gly Lys 

Arg Pro Phe Ile Leu Val Arg Ser Thr Phe Leu Gly Ser Gly Arg Tyr 

Thr Ser His Trp Thr Gly Asp Asn Ala Ala Thr Trp Asn Asp Leu Ala 

Tyr Ser Ile Pro Thr Ile Leu Ser Phe Gly Leu Phe Gly Ile Pro Met 

Val Gly Ala Asp Ile Cys Gly Phe Ser Ser Asn Thr Thr Glu Glu Leu 

Cys Arg Arg Trp Ile Gln Leu Gly Ala Phe Tyr Pro Phe Ala Arg Asp 

His Ser Ala Lys Asp Thr Thr Pro Gln Glu Leu Tyr Ser Trp Asp Ser 

Val Ala Ala Ala Lys Lys Val Leu Gly Leu Arg Tyr Gln Leu Leu 

Pro Tyr Phe Tyr Met Leu Met Tyr Glu Ala His Ile Lys Gly Thr Pro 

Ile Ala Arg Pro Leu Phe Phe Ser Phe Pro Gln Asp Ala Lys Thr Phe 

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Ile Leu Lys Gln Gly Ala Thr Ser Val Asp Ala Tyr Phe Pro Ala Gly 

Asn Trp Phe Asp Leu Phe Asn Tyr Ser Arg Ser Val Ser Leu Asn Gln 500 505 510

Gly Thr Tyr Met Thr Leu Asp Ala Pro Pro Asp His Ile Asn Val His
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Arg Tyr Ala Leu Asp Gln Gly Leu Val Leu Glu Lys Val Thr Leu Leu 610 620

Gly Phe Glu Asn Val Arg Gly Leu Lys Ser Tyr Glu Leu Val Gly Ser 625 630 630

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